SEQUENCE LISTING

<110> Cook, Ronald M.
Biosearch Technologies, Inc.

<120> Fluorescence Energy Transfer Probes With Stabilized Conformations

<130> 019079-000310US

C2
<140> US 09/591,185
<141> 2000-06-08

<150> US 60/138,376
<151> 1999-06-09

<160> 2

<170> PatentIn Ver. 2.1

<210> 1
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:"TaqMan" probe

<220>
<221> modified_base
<222> (1)
<223> n = cytosine modified through a substituted or unsubstituted alkyl or heteroalkyl linking group by exemplary donor 5-carboxyfluorescein (FAM)

<220>
<221> modified_base
<222> (25)
<223> n = thymine modified through a substituted or unsubstituted alkyl or heteroalkyl linking group by exemplary acceptor N,N,N',N'-tetramethyl-6-carboxyrhodamine (TAMRA)

<400> 1
ngcaggatgg catgggggag ggcan 25

<210> 2
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:model conformationally assisted probe (CAP)

<220>
<221> modified_base
<222> (1)
<223> n = cytosine modified through a substituted or unsubstituted alkyl or heteroalkyl linking group

by exemplary donor 5-carboxyfluorescein (FAM)

<220>
<221> modified_base
<222> (2)
<223> n = guanine modified through a substituted or unsubstituted alkyl or heteroalkyl linking group by exemplary stabilizing moiety cholesterol derivative (CHOL)

C2 cont

<220>
<221> modified_base
<222> (24)
<223> n = adenine modified through a substituted or unsubstituted alkyl or heteroalkyl linking group by exemplary stabilizing moiety cholesterol derivative (CHOL)

<220>
<221> modified_base
<222> (25)
<223> n = thymine modified through a substituted or unsubstituted alkyl or heteroalkyl linking group by exemplary acceptor N,N,N',N'-tetramethyl-6-carboxyrhodamine (TAMRA)

<400> 2
nncaggatgg catgggggag ggcnn 25